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ANNUAL REPORT  
OF THE  
BRIDGE DEPARTMENT  
OF THE  
CITY OF BOSTON



FOR THE YEAR ENDING JANUARY 31, 1907.

No. 6358.76

1907



GIVEN BY

Boston. Bridge Department





ANNUAL REPORT  
OF THE  
BRIDGE DEPARTMENT  
OF THE  
CITY OF BOSTON  
FOR THE  
YEAR ENDING JANUARY 31, 1907

Compliments of

Patrick J. McDonald,

Superintendent.

BOSTON  
MUNICIPAL PRINTING OFFICE  
1907

Room. Bridge Department.  
Nov. 5. 1901

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NOTES TO

926, 927 AND 928 TREMONT BUILDING,  
BOSTON, February 1, 1907.

HON. JOHN F. FITZGERALD,  
*Mayor of the City of Boston :*

DEAR SIR, — I respectfully submit herewith the annual report of the expenditures, income and operations of the Bridge Department, including the Boston and Cambridge bridges, for the financial year ending January 31, 1907.

There are in the City of Boston 159 bridges, not including culverts. Seven of these, namely, Harvard, West Boston (temporary), Prison Point, Cambridge street, Essex street, Western avenue to Cambridge, and North Harvard street, all connecting Boston and Cambridge, are in charge of two commissioners, one of whom is appointed by the Mayor of the City of Boston and the other by the Mayor of the City of Cambridge. One, Craigie's, from Boston to Cambridge, is in charge of the Charles River Basin Commission, and will be replaced by the Charles River dam, now under construction.

One hundred fifteen bridges are supported wholly or in part by the City of Boston, twenty-seven of these being tide-water bridges provided with a draw.

Forty-two bridges are supported wholly by railroad corporations.

There are thirteen important tide-water bridges maintained by the City of Boston, namely, Mt. Washington avenue, operated by hand power; Broadway, Chelsea South, Congress street, L street and Warren, operated by steam power; and Charlestown, Chelsea North, Dorchester avenue (for-

merly Federal street), Dover street, Malden, Meridian street and Summer street, operated by electricity.

Repairs have been made on the different bridges at various times; the operating machinery on the draw-bridges has been frequently inspected and such repairs made as were needed, and the surface and structures of the different inland bridges have received attention from time to time as the necessity arose, and all defects promptly and properly remedied.

The bridges of Boston are growing old, and require more than the ordinary attention; almost all of them need painting, the fences and iron work are in poor condition, and the appropriation does not permit much more than the regular repairs to the wearing surface of the bridges.

I would respectfully recommend that an addition of 10 per cent. to the regular appropriation be made for the next five years, in order that the structures and iron work of the various bridges may be given proper attention.

During the year I have given permission to the Boston Elevated Railway Company to strengthen, at their own expense, for their heavy cars, the Boylston street, Columbus avenue, Massachusetts avenue, Meridian street and Malden bridges; also to rebuild the Chelsea-street bridge. The amount expended by the Boston Elevated Railway Company on the above bridges was \$78,040.89.

I would respectfully call your attention to the badly corroded condition of the Huntington-avenue bridge, over the Boston & Albany railroad. From an inspection made by the City Engineer it was fully demonstrated that public safety demands that an appropriation be made during the coming year to rebuild it as soon as possible. According to an estimate made by the City Engineer this would cost about \$35,000.

I would also call your attention to the poor condition of Congress-street bridge. The floor of the fixed portion of the bridge is rotten, is continually giving out, is dangerous, and should be renewed at once.

The City Engineer estimates the cost of the necessary repairs at \$23,000.



The present condition of the above two bridges demand that two special appropriations, amounting to \$58,000, be made at once in the interest of public safety.

Respectfully submitted,

PATRICK F. McDONALD,  
*Superintendent and Bridge Commissioner.*

## STATEMENT OF EXPENDITURES.

### ADMINISTRATION.

#### Office expenses :

|  |            |
|--|------------|
| Salaries, superintendent and office force . . .                | \$6,728 80 |
| Salaries, supervisors . . . . .                                | 3,608 95   |
| Telephones, office, yards and superintendent's house . . . . . | 254 98     |
| Printing . . . . .   | 742 09     |
| Stationery . . . . .   | 446 65     |
| Advertising . . . . .  | 174 55     |
| Furniture . . . . .  | 211 33     |
| Travelling expenses . . . . .                                  | 25 00      |

|  |                    |
|--|--------------------|
| Total expended, administration . . . . . | <u>\$12,192 35</u> |
|--|--------------------|

### MAINTENANCE EXPENSES.

|   |             |
|---|-------------|
| Administration . . . . .                  | \$12,192 35 |
| On tide-water bridges . . . . .           | 141,945 24  |
| On inland bridges . . . . .               | 13,528 74   |
| On Boston and Cambridge bridges . . . . . | 11,609 64   |
| North yard and stable . . . . .           | 8,047 93    |
| South yard and stable . . . . .           | 12,521 29   |

|                 |                     |
|-----------------|---------------------|
| Total . . . . . | <u>\$199,845 19</u> |
|-----------------|---------------------|

## FINANCIAL STATEMENT.

|  |                     |
|--|---------------------|
| Appropriation, 1906-07 . . . . .                                     | \$201,000 00        |
| Received from the Boston & Albany Railroad for work done . . . . .   | \$106 37            |
| Received from the Old Colony Railway Company for work done . . . . . | 300 00              |
|  | <u>406 37</u>       |
| Total . . . . .  | <u>\$201,406 37</u> |

|  |                     |
|--|---------------------|
| Amount of expenditures from February 1, 1906,<br>to January 31, 1907 . . . . . | \$199,845 19        |
| Transfer to the Sanitary Department . . . . .                                  | 1,561 18            |
| Total . . . . .  | <u>\$201,406 37</u> |

SPECIAL APPROPRIATIONS IN CHARGE OF THE BRIDGE  
DEPARTMENT.

| NAME OF APPROPRIATION.                                  | Appropriation<br>and<br>Balances. | Expended<br>Feb. 1, 1906,<br>to<br>Jan. 31, 1907. | Balance<br>on hand<br>Jan. 31, 1907. |
|---|-----------------------------------|---|--------------------------------------|
| Chelsea bridge, south draw, recon-<br>struction of..... | \$15,000 00                       | \$12,655 04                                       | \$2,344 96                           |
| Congress-street bridge, repairs.....                    | 107 58                            | 107 58  |                                      |
| * Cottage-street bridge, reconstruction<br>of.....      | 2,325 04                          | 1,904 25  |                                      |
| Dover-street bridge, widening of draw<br>opening.....   | 7,609 59                          | 6,248 13  | 1,361 46                             |
| Totals.....   | \$25,042 21                       | \$20,915 00                                       | \$3,706 42                           |

\*The following balance was transferred to street improvements, Street Department, January 31, 1907:

Cottage-street bridge, reconstruction of..... \$420 79

|  |                    |
|--|--------------------|
| Amount of expenditures from February 1, 1906, to<br>January 31, 1907 . . . . . | \$20,915 00        |
| Transferred to street improvements, Street Depart-<br>ment . . . . .           | 420 79             |
| Balance . . . . .  | 3,706 42           |
|  | <u>\$25,042 21</u> |

|   |                 |
|---|-----------------|
| Amount charged to special appropriation in charge<br>of other departments, reserve fund . . . . . | <u>\$427 80</u> |
|---|-----------------|

|  |              |
|--|--------------|
| Amount expended and charged to maintenance<br>appropriation . . . . .    | \$199,845 19 |
| Amount expended and charged to Bridge Depart-<br>ment specials . . . . . | 20,915 00    |

|   |                     |
|---|---------------------|
| Grand total of expenditures from February 1,<br>1906, to January 31, 1907 . . . . . | <u>\$220,760 19</u> |
|---|---------------------|

INCOME.

The amount of bills deposited with the City Collector during the year was \$1,817.47, and the amount received by the City Collector on account of the Bridge Department during the same period was \$1,798.22.

The following is a list of the amounts expended on the different bridges in charge of this department:

## TIDE-WATER BRIDGES.

| NAME OF BRIDGE.                    | Repairs:<br>Labor and<br>Material. | Regular<br>Expenses:<br>Salaries, Fuel<br>and Supplies. | Total.       |
|------------------------------------|------------------------------------|---|--------------|
| Broadway Draw.....                 | \$1,451 74                         | \$8,346 04  | \$9,797 78   |
| Charlestown.....                   | 3,698 68                           | 11,199 73   | 14,898 41    |
| Chelsea, north Draw.....           | 2,121 72                           | 8,189 85  | 10,311 57    |
| Chelsea, south Draw.....           | 908 14                             | 8,271 18  | 9,179 32     |
| Chelsea street.....                | 922 32                             | 334 98  | 1,257 30     |
| Commercial Point (or Tenean).....  | 26 51                              | 50 00   | 76 51        |
| Congress street.....               | 3,171 44                           | 8,285 95  | 11,457 39    |
| Dorchester avenue.....             | 2,733 89                           | 7,969 48  | 10,703 37    |
| Dover street.....                  | 2,892 61                           | 7,872 82  | 10,765 43    |
| Granite.....                       | 294 73                             | 240 85  | 535 58       |
| L street.....                      | 1,192 98                           | 9,065 38  | 10,258 36    |
| Malden.....                        | 483 88                             | 7,877 56  | 8,361 44     |
| Meridian street....                | 2,493 96                           | 7,813 48  | 10,307 44    |
| Mt. Washington avenue. ....        | 68 12                              | 7,114 65  | 7,182 77     |
| Neponset... ..                     | 1,949 63                           | 419 84  | 2,369 47     |
| North Beacon street.....           | 124 43                             | 199 41  | 323 84       |
| Summer street.....                 | 1,512 42                           | 8,371 93  | 9,884 35     |
| Warren.....                        | 1,559 52                           | 8,963 48  | 10,523 00    |
| Western avenue (to Watertown)..... | 205 53                             | 218 48  | 424 01       |
| Winthrop.....                      | 320 83                             | 137 50  | 458 33       |
| Public Landings:                   |                                    |   |              |
| East Boston.....                   | 5 00                               | 412 50  | 417 50       |
| Jeffries Point.....                |                                    | 350 00  | 350 00       |
| Sundry Expenditures .....          |                                    | 2,102 07  | 2,102 07     |
| Totals.....                        | \$28,138 08                        | \$113,807 16  | \$141,945 24 |

## BOSTON AND CAMBRIDGE BRIDGES.

*Classification of expenditures by the City of Boston from February 1, 1906, to January 31, 1907, which is one-half of the cost of the care and maintenance of these bridges, the other half being paid by the City of Cambridge.*

| OBJECT OF EXPENDITURES. | Cambridge Street. | Essex Street. | Harvard.   | North Harvard Street. | Prison Point. | West Boston. | Western Avenue. | General Account. | Totals.     |
|-------------------------|-------------------|---------------|------------|-----------------------|---------------|--------------|-----------------|------------------|-------------|
| Drawtenders.....        | \$827 14          | \$277 14      | \$1,835 01 | \$513 92              | \$1,507 16    | \$1,944 82   | \$897 13        | .....            | \$7,802 32  |
| Lumber.....             | 98 43             | .....         | 461 19     | 73 23                 | .....         | .....        | 67 53           | .....            | 700 38      |
| Electric light.....     | 47 00             | .....         | 1,180 00   | .....                 | .....         | 581 28       | 47 00           | .....            | 1,855 28    |
| General repairs.....    | 44 44             | .....         | 262 08     | 34 44                 | 55            | .....        | 30 63           | .....            | 372 14      |
| Cleaning bridges.....   | .....             | .....         | 408 63     | .....                 | .....         | 253 62       | .....           | .....            | 662 25      |
| Fuel.....               | 5 60              | .....         | 8 40       | .....                 | 11 12         | 22 32        | .....           | .....            | 47 44       |
| Tools and hardware..... | 12 14             | .....         | 22 29      | 2 05                  | 3 76          | 1 50         | 3 23            | .....            | 44 97       |
| Paint and painting..... | 2 30              | .....         | 5 38       | .....                 | 1 14          | .....        | .....           | .....            | 8 82        |
| Iron-work.....          | 2 61              | .....         | 34 46      | 1 98                  | .....         | .....        | 15 94           | .....            | 54 99       |
| Clerical services.....  | .....             | .....         | .....      | .....                 | .....         | .....        | .....           | \$164 58         | 164 58      |
| Printing.....           | .....             | .....         | .....      | .....                 | .....         | .....        | .....           | 34 41            | 34 41       |
| Stationery.....         | .....             | .....         | .....      | .....                 | .....         | .....        | .....           | 8 25             | 8 25        |
| Sundries.....           | 3 20              | .....         | 34 21      | 35                    | 4 54          | 18 75        | .....           | 30               | 61 35       |
| Totals.....             | \$1,042 86        | \$277 14      | \$4,251 65 | \$625 97              | \$1,628 27    | \$2,822 29   | \$1,061 46      | \$207 54         | \$11,817 18 |

## INLAND BRIDGES.

| NAME OF BRIDGE.  | Repairs,<br>Labor and<br>Materials. |
|--|-------------------------------------|
| Albany street .....                                    | \$43 28                             |
| Allston . . . . .                                      | 3,056 33                            |
| Ashmont.....   | 17 24                               |
| Athens street.....                                     | 7 41                                |
| Baker street .....                                     | 40 86                               |
| Beacon street (Fens).....                              | 1 38                                |
| Beacon street (over Boston & Albany Railroad).....     | 72 55                               |
| Berkeley street.....                                   | 844 62                              |
| Blakemore street.....                                  | 146 04                              |
| Blue Hill avenue (over railroad).....                  | 411 91                              |
| Boston street.....                                     | 46 99                               |
| Boylston street (over Boston & Albany Railroad).....   | 310 08                              |
| Broadway (over Boston & Albany Railroad).....          | 306 39                              |
| Brookline avenue.....                                  | 1,393 41                            |
| Central avenue.....                                    | 534 31                              |
| Columbus avenue .....                                  | 255 57                              |
| Cortage street (foot-bridge).....                      | 877 85                              |
| Dartmouth street.....                                  | 111 48                              |
| Dorchester avenue.....                                 | 82 12                               |
| Elmwood street.....                                    | 11 56                               |
| Everett street.....                                    | 134 04                              |
| Florence street.....                                   | 2 50                                |
| Gardner street .....                                   | 73 55                               |
| Gold street.....                                       | 2 25                                |
| Huntington avenue.....                                 | 102 51                              |
| Keyes street .....                                     | 51 81                               |
| Leyden street.....                                     | 49 06                               |
| Linden Park street.....                                | 143 62                              |
| Massachusetts avenue (over Boston & Albany Railroad),  | 499 89                              |
| Massachusetts avenue (over N. Y., N. H. & H. R.R.).... | 245 23                              |
| Milton.....  | 6 56                                |
| Norfolk street (south).....                            | 305 04                              |
| Oakland street .....                                   | 124 92                              |
| Southampton street (west) .....                        | 275 45                              |
| Southampton street (over railroad).....                | 95 92                               |
| West Fourth street.....                                | 854 88                              |
| West Newton street.....                                | 187 21                              |
| Williams street .....                                  | 10 78                               |
| Sundry expenditures.....                               | 1,792 14                            |
| Total expenditures on inland bridges.....              | \$13,528 74                         |

## MAINTENANCE EXPENSES AT THE NORTH AND SOUTH YARDS.

*District No. 1, Warren Bridge.*

North Yard and stable . . . . . \$8,047 93

*District No. 2, 168-170 Broadway Extension.*

South Yard and stable . . . . . \$12,521 29



## LIST OF BOSTON BRIDGES.

## I. — BRIDGES WHOLLY MAINTAINED BY BOSTON.

[In the list those marked with an asterisk (\*) are over navigable waters, and are each provided with a draw.]

*In Charge of Bridge Department.*

Allston, over Boston & Albany Railroad at Cambridge street, Brighton.

Ashland street, over N. Y., N. H. & H. Railroad, Providence Division, West Roxbury.

Athens street, over N. Y., N. H. & H. Railroad, Midland Division.

Baker street, at Brook Farm, West Roxbury.

Beacon street, over outlet to Back Bay Fens.

Beacon street, over Boston & Albany Railroad.

Bennington street, over Boston, Revere Beach & Lynn Railroad.

Berkeley street, over Boston & Albany Railroad.

Berwick park (foot-bridge), over N. Y., N. H. & H. Railroad, Providence Division.

Blakemore street, over N. Y., N. H. & H. Railroad, Providence Division.

Bolton street, over N. Y., N. H. & H. Railroad, Midland Division.

Boylston street, over Boston & Albany Railroad.

\* Broadway, over Fort Point Channel.

Broadway, over Boston & Albany Railroad.

Brookline avenue, over Boston & Albany Railroad.

Brooks-street bridge, Brighton.

Byron street, over Boston, Revere Beach & Lynn Railroad.

Charlesgate, over Ipswich street.

\* Charlestown, from Boston to Charlestown.

\* Chelsea [South], over south channel, Mystic river.

\* Chelsea street, from East Boston to Chelsea.

Columbus avenue, over Boston & Albany Railroad.

\* Commercial Point, or Tenean, Dorchester.

\* Congress street, over Fort Point channel.

Cottage Farm, over Boston & Albany Railroad, at Commonwealth avenue.

Cottage street (foot-bridge), over flats, East Boston.

Dartmouth street, over Boston & Albany Railroad.

\* Dorchester avenue (formerly Federal street), over Fort Point channel.

\* Dover street, over Fort Point channel.

Elmwood street (private way), over Stony brook, Roxbury.

Ferdinand street, over Boston & Albany Railroad.

Florence street, over Stony brook, West Roxbury.

Gainsborough street (foot-bridge), over N. Y., N. H. & H. Railroad, Providence Division.

- Gold street (foot-bridge), over N. Y., N. H. & H. Railroad, Midland Division.
- Huntington avenue, over Boston & Albany Railroad.
- Hyde Park avenue, over Stony brook, West Roxbury.
- Ipswich street, over waterway.
- Irvington street (foot-bridge), over N. Y., N. H. & H. Railroad, Providence Division.
- Keyes street, over Stony brook, West Roxbury.
- \* L street, over reserved channel at junction of Summer and L streets.
- Linden Park, over Stony brook, Roxbury.
- \* Malden, from Charlestown to Everett.
- Massachusetts avenue, over Boston & Albany Railroad.
- Massachusetts avenue, over N. Y., N. H. & H. Railroad, Providence Division.
- \* Meridian street, from East Boston to Chelsea.
- \* Mt. Washington avenue, over Fort Point channel.
- Shawmut avenue, over Boston & Albany and N. Y., N. H. & H. Railroad, Providence Division.
- Southampton street, east of N. Y., N. H. & H. Railroad, Midland Division.
- Southampton street, west of N. Y., N. H. & H. Railroad, Midland Division.
- Summer street, over A street.
- Summer street, over B street.
- Summer street, over C street.
- \* Summer street, over Fort Point channel.
- \* Warren, from Boston to Charlestown.
- West Newton street, over N. Y., N. H. & H. Railroad, Providence Division.
- West Rutland square (foot-bridge), over N. Y., N. H. & H. Railroad, Providence Division.
- Williams street, over Stony brook, West Roxbury.
- Winthrop, from Breed's Island to Winthrop.

*In Charge of Park Department.*

- Agassiz, in Fens.
- Audubon, in Riverway, over Boston & Albany Railroad.
- Bernier-street foot-bridge, over Muddy river.
- Boylston, in Fens, over waterway.
- Bridle-path, in Riverway, over Muddy river.
- \* Castle Island, in Marine Park, South Boston, to Castle Island.
- Charlesgate, in Fens, over Boston & Albany Railroad.
- Commonwealth avenue, in Fens, over waterway.
- Ellicott Arch, in Franklin Park.
- Fen, in Fens.
- Forest Hills, in Franklin Park.
- Leverett pond (foot), in Leverett Park.
- Neptune, in Wood Island Park, over Boston, Revere Beach & Lynn Railroad.

Overlook Arch, in Franklin Park.  
 Scarboro', in Franklin Park.  
 Scarboro' pond (foot), in Franklin Park.  
 Stony brook, in Arborway.  
 Stony brook, in Fens.  
 Wood Island (foot), in Wood Island Park.

*In Charge of Public Grounds Department.*

Public Garden (foot-bridge).

II. — BRIDGES OF WHICH BOSTON MAINTAINS THE PART WITHIN  
 ITS LIMITS.

*In Charge of Bridge Department.*

Central avenue, from Dorchester to Milton.  
 \* Chelsea [North], from Charlestown to Chelsea.  
 \* Granite, from Dorchester to Milton.  
 Milton, from Dorchester to Milton.  
 \* Neponset, from Dorchester to Quincy.  
 \* North Beacon street, from Brighton to Watertown.  
 Spring street, from West Roxbury to Dedham.  
 \* Western avenue, from Brighton to Watertown.

*In Charge of Park Department.*

Bellevue, in the Riverway, over Muddy river.  
 Bernier-street foot-bridge, over Muddy river.  
 Brookline avenue, in the Riverway, over Muddy river.  
 Huntington avenue, in the Riverway, over Muddy river.  
 Longwood, in the Riverway, over Muddy river.

III. — BRIDGES OF WHICH BOSTON PAYS A PART OF THE COST  
 OF MAINTENANCE.

*In Charge of Bridge Department.*

Albany street, over Boston & Albany Railroad (over freight tracks).  
 Ashmont, junction Dorchester avenue and Talbot avenue, over N. Y., N. H. & H. Railroad, Plymouth Division (75 feet south of northerly end).  
 Harvard street, over N. Y., N. H. & H. Railroad, Midland Division (sidewalks).

*In Charge of Commissioners of Cambridge Bridges.*

\* Cambridge street, from Brighton to Cambridge.  
 \* Essex street, from Brighton to Cambridge.  
 \* Harvard, from Boston to Cambridge.  
 \* North Harvard street, from Brighton to Cambridge.



- \* Prison Point, from Charlestown to Cambridge.
- \* West Boston (temporary), from Boston to Cambridge.
- \* Western avenue, from Brighton to Cambridge.

#### IV. — BRIDGES OF WHICH BOSTON MAINTAINS THE WEARING SURFACE.

##### *In Charge of Bridge Department.*

- Blue Hill avenue, over N. Y., N. H. & H. Railroad, Midland Division.
- Boston street, over N. Y., N. H. & H. Railroad, Plymouth Division.
- Cambridge street, over Boston & Maine Railroad.
- Chelsea bridge, over Boston & Maine Railroad.
- Dorchester avenue, over N. Y., N. H. & H. Railroad, Plymouth Division.
- Everett street, over Boston & Albany Railroad, Brighton.
- Norfolk street, over N. Y., N. H. & H. Railroad, Midland Division, Mattapan.
- Oakland street, over N. Y., N. H. & H. Railroad, Midland Division, Mattapan.
- Perkins street (foot-bridge), over Boston & Maine Railroad.
- Summer street, over N. Y., N. H. & H. Railroad, Midland Division.
- Southampton street, over N. Y., N. H. & H. Railroad, Plymouth Division.
- West Fourth street, over N. Y., N. H. & H. Railroad, Plymouth Division.

##### *In Charge of Bridge and Park Departments.*

- Columbia road, over N. Y., N. H. & H. Railroad, Plymouth Division.
- Columbia road, over Shoreham street.

#### V. — BRIDGE MAINTAINED BY CHARLES RIVER BASIN COMMISSION.

Craigie's, Boston to Cambridge.

#### VI. — BRIDGE MAINTAINED BY METROPOLITAN PARK COMMISSION.

Mattapan bridge.

#### VII. — BRIDGES MAINTAINED BY RAILROAD CORPORATIONS.

##### *1st. — Boston & Albany Railroad.*

- Albany street (over passenger tracks).
- Harrison avenue.
- Market street, Brighton.
- Tremont street.
- Washington street.

*2d. — Boston & Maine and Boston & Albany Railroads.*

Main street.

Mystic avenue.

*3d. — Boston & Maine Railroad, Eastern Division.*

Wauwatosa avenue, East Boston.

*4th. — Boston, Revere Beach & Lynn Railroad.*

Everett street.

*5th. — New York, New Haven & Hartford Railroad, Midland Division.*

Dorchester avenue.

Morton street, Dorchester.

Norfolk street, Dorchester (near Dorchester station).

Silver street.

Washington street, Dorchester.

West Broadway.

West Fifth street.

West Fourth street.

West Second street.

West Sixth street.

West Third street.

*6th. — New York, New Haven & Hartford Railroad, Plymouth Division.*

Adams street.

Cedar Grove Cemetery.

Freeport street.

Medway street.

Savin Hill avenue.

*7th. — New York, New Haven & Hartford Railroad, Providence Division.*

Albany street. New part.

Beech street, West Roxbury.

Bellevue street, West Roxbury.

Berkeley street. New part.

Broadway. New part.

Canterbury street, West Roxbury.

Castle street.

Centre and Mt. Vernon streets, West Roxbury.

Chandler street.

Columbus avenue. New part.

Dartmouth street. New part.

Dudley avenue, West Roxbury.

Ferdinand street. New part.

Harrison avenue. New part.  
 Park street, West Roxbury.  
 Tremont street. New part.  
 Washington street. New part.

## RECAPITULATION OF BRIDGES.

|      |  |            |
|------|--|------------|
| I.   | Number wholly maintained by Boston :                               |            |
|      | In charge of Bridge Department . . . .                             | 58         |
|      | In charge of Park Department . . . .                               | 19         |
|      | In charge of Public Grounds Department,                            | 1          |
|      |  | — 78       |
| II.  | Number of which Boston maintains the part within its limits :      |            |
|      | In charge of Bridge Department . . . .                             | 8          |
|      | In charge of Park Department . . . .                               | 5          |
|      |  | — 13       |
| III. | Number of which Boston pays a part of the cost of maintenance :    |            |
|      | In charge of Bridge Department . . . .                             | 3          |
|      | In charge of Commissioners of Boston and Cambridge Bridges . . . . | 7          |
|      |  | — 10       |
| IV.  | Number of which Boston maintains the wearing surface :             |            |
|      | In charge of Bridge Department . . . .                             | 12         |
|      | In charge of Bridge and Park Departments,                          | 2          |
|      |  | — 14       |
| V.   | Number maintained by Charles River Basin Commission . . . .        | 1          |
| VI.  | Number maintained by Metropolitan Park Commission . . . .          | 1          |
| VII. | Number maintained by railroad corporations :                       |            |
|      | 1. Boston & Albany . . . .   | 5          |
|      | 2. Boston & Maine and Boston & Albany Railroads . . . .            | 2          |
|      | 3. Boston & Maine, Eastern Division . . . .                        | 1          |
|      | 4. Boston, Revere Beach & Lynn . . . .                             | 1          |
|      | 5. New York, New Haven & Hartford, Midland Division . . . .        | 11         |
|      | 6. New York, New Haven & Hartford, Plymouth Division . . . .       | 5          |
|      | 7. New York, New Haven & Hartford, Providence Division . . . .     | 17         |
|      |  | — 42       |
|      | Total number . . . . .   | <u>159</u> |

## PUBLIC LANDING-PLACES.

The following public landing-places have been built by the city, and are maintained and controlled by the Bridge Division :

*East Boston Public Landing.* — Size, 18 × 30. Built in 1893. Moored at dock of Howe's Wharf. Dock leased at \$350 per year.

*Jeffries Point, East Boston.* — Size, 20 × 50. Moored from Fitzpatrick's Wharf ; \$350 per year.

## CABLE-HOUSES AND BOXES.

The following is a list of cable-houses and boxes on bridges in charge of this department :

## New England Telephone and Telegraph Company :

- Chelsea [South] bridge, 1 house.
- Congress-street bridge, 2 houses.
- Dover-street bridge, 2 houses or boxes.
- Chelsea [North] bridge, 1 box.
- Chelsea-street bridge, 1 box.
- Malden bridge, 4 boxes.
- Meridian-street bridge, 2 boxes.
- Neponset bridge, 2 boxes on poles.
- Warren bridge, 2 boxes.

## American Telephone and Telegraph Company :

- Dorchester-avenue bridge, 1 house.
- Mt. Washington-avenue bridge, 2 boxes.
- Neponset bridge, 1 box on pole.
- Summer-street bridge, 1 box.

## Merchants' Telegraph Company :

- Congress-street bridge, 2 boxes.

## Postal Telegraph Cable Company :

- Congress-street bridge, 2 houses.
- Malden bridge, 2 boxes.
- Warren bridge, 2 boxes.

## Boston Electric Light Company :

- Congress-street bridge, 2 boxes.

## Lynn &amp; Boston Railroad Company :

- Chelsea [North] bridge, 4 boxes.
- Chelsea [South] bridge, 8 boxes.

## Boston Elevated Railway Company :

- Cambridge-street bridge, 1 house.
- Dover-street bridge, 1 house, 1 box.
- Dorchester-avenue bridge, 2 houses.
- Malden bridge, 2 houses.
- Warren bridge, 2 houses.

## Boston Police Department :

- Chelsea [South] bridge, 1 box.
- Malden bridge, 2 boxes.

## Boston Fire Department :

- Chelsea [North] bridge, 1 box.
- Dover-street bridge, 1 house, 1 box.
- Meridian-street bridge, 2 boxes.
- Warren bridge, 2 boxes.

## LAND AND BUILDINGS IN CHARGE OF BRIDGE DEPARTMENT.

- Broadway Bridge*.—Draw-house and one storehouse. Land, Broadway and Dorchester avenue, containing 5,516 feet, on which is a brick stable and workshop.
- Charlestown Bridge*.—Draw-house, electrical power-room, and six storehouses.
- Chelsea [North] Bridge*.—Draw-house.
- Chelsea [South] Bridge*.—Draw-house and engine-house.
- Chelsea-street Bridge*.—Tool-house.
- Congress-street Bridge*.—Draw-house, storehouse and two shelter houses.
- Cottage-street (foot-bridge)*.—Watchman's house.
- Dover-street Bridge*.—Draw-house.
- Dorchester-avenue Bridge*.—Draw-house, tool-shed, two motor-houses, one controller-house.
- L-street Bridge*.—Draw-house, engine-house.
- Malden Bridge*.—Draw-house.
- Meridian-street Bridge*.—Draw-house.
- Mt. Washington-avenue Bridge*.—Draw-house and tool-house.
- Neponset Bridge*.—Tool-house.
- Summer-street Bridge*.—Draw-house, controller-house, two shelter houses.
- Warren Bridge*.—Stable, draw-house, containing an engine-room and boiler-room and a tool-house.
- Western-avenue Bridge to Watertown*.—Tool-house.



**List of Small Bridges or Culverts having Wooden Tops, which are Repaired by Bridge Department. — Walls Repaired and Openings Cleaned by Sewer Department.**

| LOCATION.   | Span.        | Height of Opening. | Length.      | Side Walls. | Covering. |
|---|--------------|--------------------|--------------|-------------|-----------|
|   | <i>Feet.</i> | <i>Feet.</i>       | <i>Feet.</i> |             |           |
| Ashland street and Canterbury, near Calvary cemetery, West Roxbury.....     | 7.6          | 5.5                | 75           | Stone....   | Wood.     |
| Beach street, near Anawan avenue, at Central Station, West Roxbury.....     | 4.0          | 4.0                | 50           | Stone....   | Wood.     |
| Cass street, near Spring-street Station, West Roxbury .....                 | 7.0          | 3.0                | 21           | Stone....   | Wood.     |
| Cohasset street, Roslindale .....   | 14.0         | 7.5                | 60           | Stone....   | Wood.     |
| Gardner street, near Cow Island, West Roxbury.....                          | 5.0          | 5.5                | 33           | Wood....    | Wood.     |
| Jamaica street, Jamaica Plain .....   | 10.0         | 4.0                | 39           | Stone...    | Wood.     |
| Park street, west of Dorchester avenue, Dorchester.....                     | 5.0          | 3.7                | 50           | Stone....   | Wood.     |
| Park street, west of New York, New Haven & Hartford Railroad, Dorchester... | 8.5          | 5.0                | 50           | Stone....   | Wood.     |
| Spring street, near Spring-street Station, West Roxbury.....                | 2.7          | 2.7                | 63           | Stone ...   | Wood.     |
| Summer street, near Spring-street Station, West Roxbury.....                | 4.0          | 4.5                | 40           | Stone....   | Wood.     |
| Williams street, at Stony brook, West Roxbury.....                          | 5.0          | 5.0                | 50           | Wood....    | Wood.     |
| Woodman street, Jamaica Plain.....  | 6.3          | 4.0                | 65           | Stone ...   | Wood.     |

Table showing Width of Bridges, kind of Roadways, Sidewalks, etc., on Tide-water Bridges, 1906.

| NAME OF BRIDGE.                   | Width of Bridge.        | ROADWAY.                      |                                  | SIDEWALKS. |                |                              |
|-----------------------------------|-------------------------|-------------------------------|----------------------------------|------------|----------------|------------------------------|
|                                   |                         | Width.                        | Kind of Roadway.                 | Number.    | Width.         | Kind of Walks.               |
|                                   | <i>Ft. In.</i>          | <i>Ft. In.</i>                |                                  |            | <i>Ft. In.</i> |                              |
| Broadway .....                    | 60 0                    | 40 0                          | Plank .....                      | 2          | 10 0           | Coal-tar concrete.           |
| Cambridge street.....             | 40 0                    | 32 9                          | " .....                          | 1          | 6 0            | Plank.                       |
| Craigie's (temporary)..           | 49 2                    | 40 0                          | " .....                          | 1          | 8 0            | "                            |
| Charlestown.....                  | 100 0 {                 | 127 9 }<br>122 0 }<br>127 9 } | " .....                          | 2          | 10 0           | Asphalt.                     |
| Chelsea, North.....               | 49 0                    | 40 0                          | " .....                          | 1          | 8 0            | Coal-tar concrete and plank. |
| Chelsea, South .....              | 50 3                    | 41 2                          | " .....                          | 1          | 8 0            | Plank.                       |
| Chelsea street.....               | 30 0                    | 23 2                          | " .....                          | 1          | 6 0            | "                            |
| Commercial point... {             | about 34 0              | about 27 0                    | { " .....                        |            |                |                              |
| Congress street.....              | 60 0                    | 44 0                          | Paved .....                      | 2          | 8 0            | Coal-tar concrete.           |
| Dover st. (over water)            | 60 0                    | 40 0                          | " .....                          | 2          | 10 0           | Asphalt.                     |
| Essex street.....                 | 31 0                    | 22 8                          | Plank .....                      | 1          | 7 6            | Plank.                       |
| Federal street.....               | 69 0                    | 49 0                          | Paved .....                      | 2          | 10 0           | Asphalt.                     |
| Granite.....                      | 30 2                    | 24 4                          | Plank .....                      | 1          | 5 0            | Plank.                       |
| Harvard.....                      | 69 4                    | 51 0                          | " .....                          | 2          | 9 2            | Asphalt.                     |
| L street.....                     | 60 0                    | 44 0                          | Paved .....                      | 2          | 8 0            | "                            |
| Malden.....                       | { 60 0 }<br>to { 67 6 } | 44 0                          | " .....                          | 2          | 8 0            | Composition.                 |
| Meridian street.....              | 50 0                    | 36 0                          | " .....                          | 2          | 7 0            | Coal-tar concrete.           |
| Mt. Washington ave..              | 61 0                    | 39 6                          | " .....                          | 2          | 10 9           | " "                          |
| Neponset .....                    | 30 0                    | 23 10                         | Plank .....                      | 1          | 5 5            | Plank.                       |
| North Beacon street..             | 31 0                    | 25 2                          | " .....                          | 1          | 5 0            | "                            |
| North Harvard street.             | 28 2                    | 26 7                          | " .....                          |            |                |                              |
| Prison Point.....                 | 50 0                    | 36 0                          | { Plank part }<br>{ Paved part } | 2          | 7 0            | Coal-tar concrete.           |
| Summer street.....                | 100 0                   | 76 0                          | Paved .....                      | 2          | 12 0           | Asphalt.                     |
| Warren.....                       | 80 0                    | 60 0                          | " .....                          | 2          | 10 0           | Coal-tar concrete.           |
| Western avenue to Cambridge ..... | 33 2                    | 26 3                          | Plank ...                        | 1          | 6 0            | Plank.                       |
| Western avenue to Watertown.....  | 33 0                    | 24 2                          | " .....                          | 1          | 8 0            | "                            |
| Winthrop .....                    | 24 2                    | 19 10                         | " .....                          | 1          | 3 7            | "                            |
| West Boston (temporary) .....     | 47 2                    | 37 2                          | " .....                          | 1          | 10 0           | "                            |

**Table showing the Widths of Openings for Vessels in all Bridges  
Provided with Draws in the City of Boston, 1906.**

| NAME OF BRIDGE.   | Location.                                   | Number of<br>Openings. | Width.           |
|---|---|------------------------|------------------|
| Boston & Maine R.R., Eastern Division.....                      | Boston to Charlestown....                   | 1                      | 39 feet 8 inches |
| Boston & Maine R.R., Eastern Division.....                      | Over Miller's river.....                    | 1                      | 35 " 10 "        |
| Boston & Maine R.R., Fitchburg Division .....                   | Boston to Charlestown....                   | 1                      | 36 " 7 "         |
| Boston & Maine R.R., Fitchburg Division (for teaming freight).. | " " ....                                    | 1                      | 36 " 7 "         |
| Boston & Maine R.R. (freight), Southern Division.....           | Boston to East Cambridge,                   | 1                      | 39 " 10 "        |
| Boston & Maine R.R. (passenger), Southern Division .....        | " " ....                                    | 1                      | 39 " 8 "         |
| Boston & Maine R.R., Western Division.....                      | Boston to Charlestown ...                   | 1                      | 39 " 8 "         |
| Boston & Maine R.R., Western Division .....                     | Over Miller's river.....                    | 1                      | 36 " 0 "         |
| Broadway .....  | Over Fort Point channel...                  | 1                      | 42 " 7 "         |
| Cambridge street .....  | Brighton to Cambridge...                    | 1                      | 36 " 4 "         |
| Charlestown (main channel).....                                 | Boston to Charlestown....                   | 2                      | 50 " 0 "         |
| Charlestown (north channel).....                                | " " ....                                    | 49                     | " 9 "            |
| Chelsea (south channel).....                                    | Charlestown to Chelsea...                   | 1                      | 38 " 9 "         |
| Chelsea (north channel).....                                    | " " ....                                    | 1                      | 60 " 0 "         |
| Chelsea street (East Boston side),                              | East Boston to Chelsea. .                   | 2                      | 36 " 0 "         |
| Chelsea street (Chelsea side).....                              | " " ....                                    | 36                     | " 0 "            |
| Commercial Point (or Tenean)...                                 | Dorchester .....                            | 1                      | 24 " 2 "         |
| Congress street (Boston side)...                                | Over Fort Point channel...                  | 2                      | 43 " 3 "         |
| Congress street.....  | " " " ....                                  | 50                     | " 0 "            |
| Craigie's (temporary).....                                      | Boston to East Cambridge.                   | 1                      | 36 " 0 "         |
| Dorchester avenue.....  | Over Fort Point channel...                  | 1                      | 41 " 4 "         |
| Dover street .....  | " " " ....                                  | 1                      | 40 " 0 "         |
| Essex street.....   | Brighton to Cambridge...                    | 1                      | 36 " 0 "         |
| Grand Junction R.R.....   | " " ....                                    | 1                      | 40 " 0 "         |
| Grand Junction R.R. ....  | East Boston to Chelsea...                   | 1                      | 49 " 0 "         |
| Granite.....  | Dorchester to Milton.....                   | 1                      | 36 " 0 "         |
| Harvard (Boston side).....                                      | Boston to Cambridge.....                    | 2                      | 36 " 6 "         |
| Harvard (Cambridge side).....                                   | " " ....                                    | 36                     | " 10 "           |
| L street.....   | Over Reserved channel,<br>South Boston..... | 1                      | 39 " 8 "         |
| Malden.....   | Charlestown to Everett....                  | 1                      | 50 " 0 "         |



Table showing Width of Openings, etc. — *Concluded.*

| NAME OF BRIDGE.  | Location.                  | Number of<br>Openings. | Width.           |
|--|----------------------------|------------------------|------------------|
| Meridian st. (East Boston side) ..                           | East Boston to Chelsea.... | 2                      | 59 feet 2 inches |
| Meridian street (Chelsea side)....                           | “ “ “ .....                |                        | 59 “ 0 “         |
| Mt. Washington avenue (Boston<br>side).....                  | Over Fort Point channel... | 2                      | 42 “ 2 “         |
| Mt. Washington avenue (South<br>Boston side).....            | “ “ “ .....                |                        | 52 “ 0 “         |
| Neponset .....   | Dorchester to Quincy.....  | 2                      | 36 “ 0 “         |
| New York, New Haven & Hart-<br>ford R.R.....                 | Over South Bay.....        | 1                      | 28 “ 4 “         |
| New York, New Haven & Hart-<br>ford R.R., Y-connection ..... | Over Fort Point channel... | 1                      | 41 “ 11 “        |
| New York, New Haven & Hart-<br>ford R.R.....                 | “ “ “ .....                |                        | 42 “ 0 “         |
| New York, New Haven & Hart-<br>ford R.R.....                 | Dorchester to Quincy.....  | 1                      | 51 “ 0 “         |
| North Beacon street.....                                     | Brighton to Watertown....  | 1                      | 30 “ 0 “         |
| North Harvard street.....                                    | Brighton to Cambridge....  | 1                      | 36 “ 0 “         |
| Prison Point.....  | Charlestown to Cambridge,  | 1                      | 35 “ 8 “         |
| Summer street.....   | Over Fort Point channel... | 1                      | 50 “ 0 “         |
| Warren.....  | Boston to Charlestown .... | 1                      | 36 “ 0 “         |
| West Boston (temporary).....                                 | Boston to Cambridge.....   | 1                      | 36 “ 0 “         |
| Western avenue.....  | Brighton to Cambridge....  | 1                      | 36 “ 0 “         |
| Western avenue .....   | Brighton to Watertown....  | 1                      | 35 “ 10 “        |

## DRAWTENDERS' REPORTS.\*

Giving Number of Vessels Passing through Drawbridges Controlled by the City of Boston from February 1, 1902, to January 31, 1907, Inclusive.

| NAME OF BRIDGE.                     | STEAMERS. |       |       |       |       | SAILING VESSELS. |        |        |        |       | TUGS.  |        |        |        |        | ALL OTHERS. |        |        |        |        | TOTAL NUMBER OF VESSELS. |         |         |         |         | Total, Feb. 1, 1902, to Jan. 31, 1907. |
|-------------------------------------|-----------|-------|-------|-------|-------|------------------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|--------------------------|---------|---------|---------|---------|--|
|                                     | 1902.     | 1903. | 1904. | 1905. | 1906. | 1902.            | 1903.  | 1904.  | 1905.  | 1906. | 1902.  | 1903.  | 1904.  | 1905.  | 1906.  | 1902.       | 1903.  | 1904.  | 1905.  | 1906.  | 1902.                    | 1903.   | 1904.   | 1905.   | 1906.   |  |
|                                     | 6         | 2     | 4     | 4     | 26    | 1,586            | 1,203  | 1,163  | 1,279  | 995   | 5,156  | 4,359  | 3,871  | 4,239  | 4,015  | 2,409       | 2,236  | 1,732  | 1,798  | 1,798  | 9,157                    | 7,797   | 6,766   | 7,320   | 6,834   |  |
| Broadway .....                      | 443       | 461   | 321   | 281   | 287   | 1,265            | 1,083  | 730    | 767    | 688   | 3,907  | 4,209  | 3,758  | 3,969  | 3,859  | 1,907       | 2,162  | 2,139  | 2,402  | 2,359  | 7,079                    | 7,486   | 6,631   | 7,138   | 6,906   | 35,240                                 |
| Chelsea (North) .....               | 30        | 55    | 15    | 10    | 4     | 726              | 517    | 421    | 438    | 372   | 3,789  | 3,996  | 4,484  | 6,082  | 4,759  | 2,086       | 2,852  | 2,917  | 4,092  | 3,181  | 6,631                    | 7,420   | 7,837   | 10,622  | 8,316   | 40,826                                 |
| Chelsea (South) .....               | 2         | 6     | 5     | 8     | 6     | 4                | 23     | 5      | 3      | 11    | 199    | 112    | 95     | 325    | 478    | 267         | 59     | 46     | 394    | 436    | 472                      | 200     | 151     | 730     | 931     | 2,484                                  |
| Chelsea street .....                | 73        | 58    | 61    | 88    | 103   | 1,866            | 1,442  | 1,316  | 1,457  | 1,136 | 7,868  | 6,984  | 6,106  | 6,927  | 6,490  | 3,353       | 2,820  | 2,555  | 2,370  | 2,315  | 13,160                   | 11,304  | 9,738   | 10,842  | 10,044  | 55,088                                 |
| Congress street .....               | 6         | 5     | 24    | 5     | 24    | 1,559            | 1,208  | 1,181  | 1,273  | 987   | 5,338  | 4,564  | 4,431  | 4,273  | 4,273  | 2,312       | 2,201  | 1,742  | 1,847  | 1,871  | 9,205                    | 7,973   | 6,933   | 7,556   | 7,155   | 38,822                                 |
| Dorchester avenue .....             | 4         | 6     | 4     | 14    | 14    | 1,300            | 1,059  | 1,060  | 1,222  | 941   | 4,557  | 3,699  | 3,308  | 3,844  | 3,667  | 1,968       | 1,538  | 1,337  | 1,458  | 1,485  | 7,919                    | 6,296   | 5,705   | 6,528   | 6,107   | 32,555                                 |
| Dorchester street .....             | ...       | ...   | ...   | ...   | ...   | 33               | 32     | 26     | 34     | 38    | 166    | 226    | 240    | 264    | 254    | 66          | 90     | 93     | 94     | 72     | 265                      | 348     | 359     | 392     | 364     | 1,728                                  |
| Granite street .....                | ...       | ...   | ...   | ...   | ...   | 332              | 264    | 194    | 208    | 217   | 3,398  | 4,641  | 4,656  | 4,569  | 3,395  | 2,108       | 2,629  | 2,831  | 2,673  | 2,244  | 5,838                    | 7,534   | 7,381   | 7,450   | 5,856   | 34,239                                 |
| L street .....                      | ...       | ...   | ...   | ...   | ...   | 232              | 178    | 145    | 101    | 120   | 1,756  | 1,835  | 1,313  | 1,662  | 1,651  | 1,031       | 984    | 842    | 927    | 882    | 3,019                    | 2,999   | 2,302   | 2,692   | 2,653   | 13,665                                 |
| Malden .....                        | 67        | 28    | 25    | 41    | 38    | 331              | 367    | 285    | 342    | 276   | 6,873  | 5,662  | 8,231  | 8,683  | 8,788  | 3,134       | 3,227  | 3,398  | 3,674  | 3,519  | 10,405                   | 11,184  | 11,939  | 12,740  | 12,621  | 58,839                                 |
| Meridian street .....               | 70        | 100   | 55    | 78    | 83    | 1,709            | 1,295  | 1,295  | 1,291  | 948   | 7,050  | 6,077  | 5,256  | 5,759  | 5,064  | 2,936       | 2,583  | 2,062  | 2,016  | 1,792  | 11,765                   | 10,055  | 8,578   | 9,144   | 7,887   | 47,429                                 |
| Mt. Washington ave. ....            | ...       | ...   | ...   | ...   | ...   | 49               | 38     | 26     | 38     | 40    | 164    | 234    | 238    | 270    | 293    | 53          | 93     | 94     | 99     | 87     | 266                      | 365     | 358     | 407     | 420     | 1,816                                  |
| Neponset .....                      | ...       | ...   | ...   | ...   | ...   | ...              | ...    | ...    | ...    | ...   | ...    | ...    | ...    | ...    | ...    | ...         | ...    | ...    | ...    | ...    | ...                      | ...     | ...     | ...     | ...     | 1                                      |
| North Beacon street .....           | 73        | 58    | 61    | 87    | 100   | 1,979            | 1,440  | 1,319  | 1,457  | 1,131 | 7,851  | 6,959  | 6,088  | 6,915  | 6,428  | 3,232       | 2,806  | 2,246  | 2,359  | 2,241  | 13,135                   | 11,263  | 9,714   | 10,818  | 9,900   | 54,830                                 |
| Summer street .....                 | 7         | 4     | 6     | 4     | 6     | 1,212            | 1,059  | 713    | 742    | 659   | 3,222  | 3,212  | 3,215  | 3,572  | 3,366  | 1,624       | 1,725  | 1,839  | 2,140  | 2,023  | 6,065                    | 6,000   | 5,773   | 6,458   | 6,054   | 30,350                                 |
| Warren .....                        | ...       | ...   | ...   | ...   | ...   | ...              | ...    | ...    | ...    | ...   | 62     | 115    | 142    | 120    | 109    | 34          | 71     | 85     | 70     | 78     | 96                       | 186     | 227     | 190     | 187     | 886                                    |
| Western avenue (to Watertown) ..... | ...       | ...   | ...   | ...   | ...   | ...              | ...    | ...    | ...    | ...   | ...    | ...    | ...    | ...    | ...    | ...         | ...    | ...    | ...    | ...    | ...                      | ...     | ...     | ...     | ...     | ...                                    |
| Totals .....                        | 781       | 774   | 555   | 612   | 631   | 15,055           | 11,996 | 10,469 | 11,443 | 9,279 | 69,122 | 67,529 | 62,102 | 69,705 | 64,617 | 32,336      | 32,123 | 29,049 | 31,939 | 29,596 | 117,294                  | 112,422 | 102,175 | 113,639 | 104,183 | 549,773                                |

\* Cambridge, Cambridge street, Brookline street, North Harvard street, Western avenue to Cambridge, Prison Point, and Harvard bridges are not included in this table, being in care of Commissioners representing the two cities (Boston and Cambridge) connected by these bridges.

## DRAWTENDERS' REPORTS.\*

Giving Number of Vessels Passing through the Drawbridges controlled by the City of Boston from February 1, 1906, to January 31, 1907, Inclusive.

| BRIDGE.                          | STEAMERS. |           |        | SAILING VESSELS. |           |        | TUGS.   |           |        | ALL OTHERS. |           |        | TOTAL NUMBER OF VESSELS. |        |         | Total Number of Carcoes. | Total Number of Openings. |
|----------------------------------|-----------|-----------|--------|------------------|-----------|--------|---------|-----------|--------|-------------|-----------|--------|--------------------------|--------|---------|--------------------------|---------------------------|
|                                  | By Day.   | By Night. | Total. | By Day.          | By Night. | Total. | By Day. | By Night. | Total. | By Day.     | By Night. | Total. |                          |        |         |                          |                           |
|                                  |           |           |        |                  |           |        |         |           |        |             |           |        |                          |        |         |                          |                           |
| Broadway .....                   | 16        | 10        | 26     | 860              | 135       | 995    | 3,405   | 610       | 4,015  | 1,529       | 269       | 1,798  | 5,810                    | 1,024  | 6,834   | 1,392                    | 2,381                     |
| Charlestown .....                | 262       | 25        | 287    | 528              | 160       | 688    | 3,090   | 769       | 3,859  | 1,894       | 465       | 2,359  | 5,512                    | 1,394  | 6,906   | 1,423                    | 1,598                     |
| Chelsea (North) .....            | 4         | 4         | 8      | 693              | 27        | 720    | 6,869   | 859       | 7,728  | 2,812       | 401       | 3,213  | 10,636                   | 1,312  | 11,948  | 1,845                    | 6,002                     |
| Chelsea (South) .....            | 6         | 6         | 12     | 357              | 15        | 372    | 4,379   | 380       | 4,759  | 2,946       | 235       | 3,181  | 7,686                    | 630    | 8,316   | 1,887                    | 4,033                     |
| Chelsea street .....             | 11        | 11        | 22     | 433              | 45        | 478    | 390     | 46        | 436    | 390         | 46        | 436    | 840                      | 91     | 931     | 112                      | 458                       |
| Congress street .....            | 86        | 17        | 103    | 979              | 157       | 1,136  | 5,631   | 859       | 6,490  | 2,016       | 299       | 2,315  | 8,712                    | 1,332  | 10,044  | 1,527                    | 5,089                     |
| Dorchester avenue .....          | 15        | 9         | 24     | 842              | 145       | 987    | 3,571   | 702       | 4,273  | 1,391       | 280       | 1,671  | 6,019                    | 1,136  | 7,155   | 1,328                    | 3,961                     |
| Dover street .....               | 11        | 3         | 14     | 819              | 122       | 941    | 3,156   | 511       | 3,667  | 1,271       | 214       | 1,485  | 5,257                    | 850    | 6,107   | 1,173                    | 2,665                     |
| Granite .....                    |           |           |        | 37               | 1         | 38     | 248     | 6         | 254    | 71          | 1         | 72     | 356                      | 8      | 364     | 53                       | 257                       |
| L street .....                   |           |           |        | 187              | 30        | 217    | 3,083   | 312       | 3,395  | 1,892       | 352       | 2,244  | 5,162                    | 694    | 5,856   | 851                      | 3,895                     |
| Malden .....                     |           |           |        | 112              | 7         | 120    | 1,420   | 231       | 1,651  | 742         | 140       | 882    | 2,275                    | 378    | 2,653   | 432                      | 1,418                     |
| Meridian street .....            | 32        | 6         | 38     | 260              | 16        | 276    | 7,193   | 1,595     | 8,788  | 2,895       | 624       | 3,519  | 10,380                   | 2,241  | 12,621  | 1,736                    | 7,712                     |
| Mt. Washington avenue .....      | 70        | 13        | 83     | 840              | 108       | 948    | 4,467   | 597       | 5,064  | 1,526       | 266       | 1,792  | 6,903                    | 984    | 7,887   | 1,591                    | †                         |
| Neponset .....                   |           |           |        | 40               |           | 40     | 290     | 3         | 293    | 87          | .....     | 87     | 417                      | 3      | 420     | 65                       | 230                       |
| North Beacon street .....        |           |           |        | .....            | .....     | .....  | .....   | .....     | .....  | .....       | .....     | .....  | .....                    | .....  | .....   | .....                    | .....                     |
| Summer street .....              | 84        | 16        | 100    | 975              | 156       | 1,131  | 5,585   | 843       | 6,428  | 1,937       | 304       | 2,241  | 8,581                    | 1,319  | 9,900   | 1,532                    | 5,032                     |
| Warren .....                     | 4         | 2         | 6      | 516              | 143       | 659    | 2,630   | 676       | 3,306  | 1,604       | 419       | 2,023  | 4,814                    | 1,240  | 6,054   | 1,176                    | 3,517                     |
| Western avenue (to Watertown) .. |           |           |        | .....            | .....     | .....  | 109     | .....     | 109    | 78          | .....     | 78     | 187                      | .....  | 187     | 36                       | 114                       |
| Totals .....                     | 590       | 101       | 691    | 8,057            | 1,222     | 9,279  | 55,619  | 8,998     | 64,617 | 25,281      | 4,315     | 29,596 | 89,547                   | 14,636 | 104,183 | 18,159                   | 48,352                    |

\* Cambridge, Cambridge street, Brookline street, North Harvard street, Western avenue to Cambridge, Prison Point and Harvard bridges are not included in this table, being in care of Commissioners representing the two cities (Boston and Cambridge) connected by these bridges. † Bridge open.

Number of Times the Draws on the Boston and Cambridge Bridges have been Opened and the Number of Vessels which have Passed Through for the Year Beginning February 1, 1906, and Ending January 31, 1907.

| DATE.              | CAMBRIDGE STREET.        |                                    | HARVARD.                 |                                    | NORTH HARVARD STREET.    |                                    | PRISON POINT.            |                                    | WEST BOSTON.             |                                    | WESTERN AVENUE.          |                                    |
|--------------------|--------------------------|------------------------------------|--------------------------|------------------------------------|--------------------------|------------------------------------|--------------------------|------------------------------------|--------------------------|------------------------------------|--------------------------|------------------------------------|
|                    | Number of draw openings. | Number of vessels passing through. | Number of draw openings. | Number of vessels passing through. | Number of draw openings. | Number of vessels passing through. | Number of draw openings. | Number of vessels passing through. | Number of draw openings. | Number of vessels passing through. | Number of draw openings. | Number of vessels passing through. |
| February.....      | 6                        | 9                                  | 45                       | 106                                | 6                        | 9                                  | 10                       | 34                                 | 62                       | 148                                | 6                        | 9                                  |
| March.....         | 26                       | 45                                 | 129                      | 437                                | 16                       | 26                                 | 21                       | 68                                 | 308                      | 713                                | 16                       | 26                                 |
| April.....         | 10                       | 15                                 | 132                      | 452                                | 8                        | 12                                 | 25                       | 72                                 | 322                      | 892                                | 8                        | 12                                 |
| May.....           | 12                       | 19                                 | 78                       | 387                                | 12                       | 19                                 | 26                       | 62                                 | 197                      | 546                                | 12                       | 19                                 |
| June.....          | 24                       | 38                                 | 81                       | 203                                | 12                       | 18                                 | 36                       | 104                                | 143                      | 267                                | 12                       | 18                                 |
| July.....          | 16                       | 28                                 | 35                       | 58                                 | 14                       | 26                                 | 27                       | 68                                 | 62                       | 133                                | 15                       | 27                                 |
| August.....        | 8                        | 14                                 | 27                       | 42                                 | 8                        | 14                                 | 25                       | 54                                 | 126                      | 252                                | 8                        | 14                                 |
| September.....     | 10                       | 17                                 | 22                       | 31                                 | 10                       | 17                                 | 32                       | 69                                 | 298                      | 705                                | 10                       | 17                                 |
| October.....       | 17                       | 30                                 | 28                       | 45                                 | 6                        | 8                                  | 26                       | 60                                 | 377                      | 938                                | 6                        | 8                                  |
| November.....      | 19                       | 32                                 | 41                       | 66                                 | 19                       | 32                                 | 43                       | 95                                 | 581                      | 1,294                              | 19                       | 32                                 |
| December.....      | 4                        | 6                                  | 50                       | 63                                 | 4                        | 6                                  | 22                       | 72                                 | 100                      | 201                                | 4                        | 6                                  |
| January, 1907..... | 10                       | 17                                 | 21                       | 25                                 | 4                        | 7                                  | 30                       | 117                                | *                        | *                                  | 4                        | 7                                  |
| Totals.....        | 162                      | 270                                | 689                      | 1,915                              | 119                      | 194                                | 323                      | 875                                | 2,576                    | 6,089                              | 120                      | 195                                |

\* West Boston bridge closed December 8, 1906.







